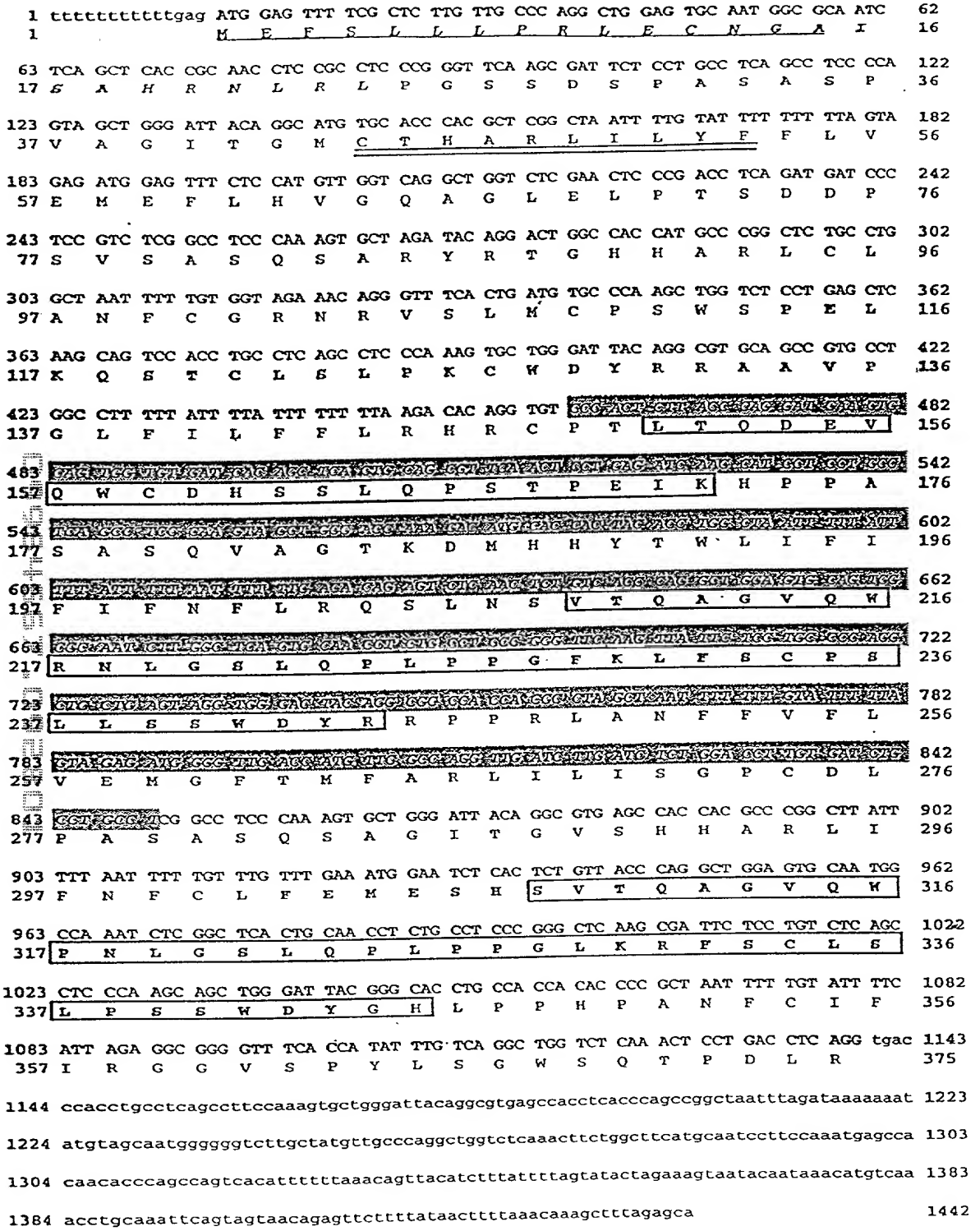
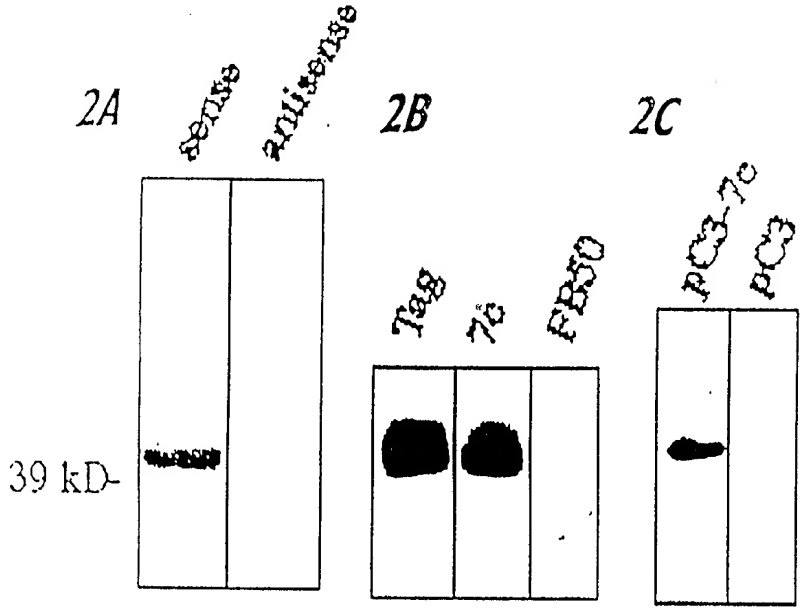
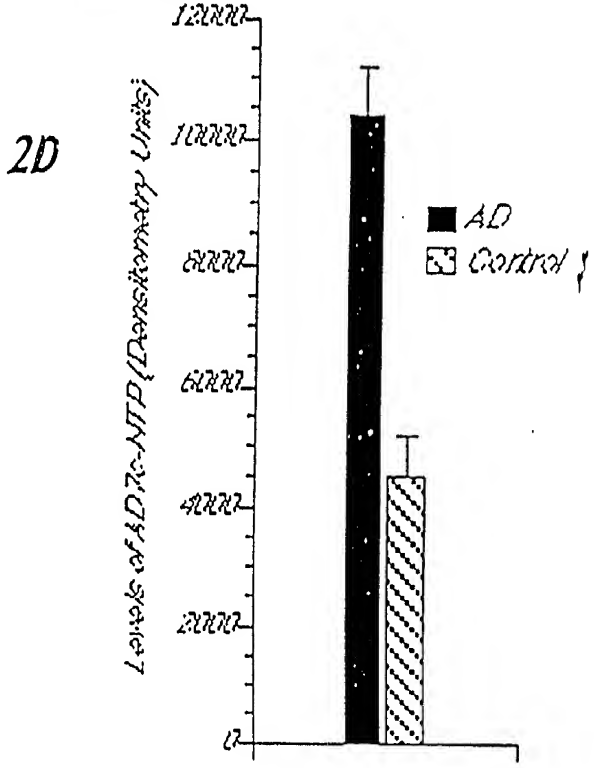
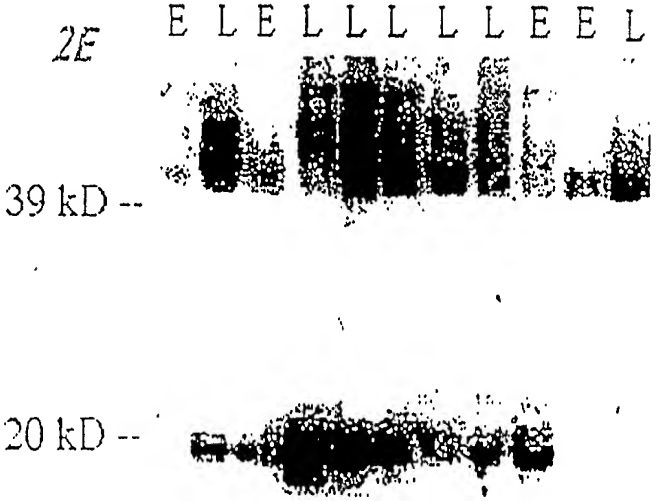

1 ttttttttttgag ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC 62
1 M E F S L L L P R L E C N G A I 16
63 TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
17 S A H R N L R L P G S S D S P A S A S P 36
123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA 182
37 V A G I T G M C T H A R L I L Y F F L V 56
183 GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC 242
57 E M E F L H V G Q A G L E L P T S D D P 76
243 TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG 302
77 S V S A S Q S A R Y R T G H H A R L C L 96
303 GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362
97 A N F C G R N R V S L M C P S W S P E L 116
363 AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT 422
117 K Q S T C L S L P K C W D Y R R A A V P 136
423 GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT GGG AGT CTT AGC TAG CAT CTA GTC 482
137 G L F I L F F L R H R C P T L T Q D E V 156
483 CAG TGG TCT GAT TCA CAG AGC TCA TTG CAG CCT TCA ACT TCT GAG ATG AAG CAT GGT GCT GGC 542
157 Q W C D H S S L Q P S T P E I K H P P A 176
543 TTA GCC TGC CAA GTA CCT GGG AGC TAA CAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT 602
177 S A S Q V A G T K D M H H Y T W L I F I 196
603 TTT ATT TTT AAT GTT TTG ACA GAG AGT CTC AAC TCT GTT ACC CAG GCT GGA GTG CAG TGG 662
197 F I F N F L R Q S L N S V T Q A G V Q W 216
663 CGC AAT CTT GGC TCA CTG CAA CCT CCG CCT CCT GGG TTC AAG CGA TTC TCC TGC CTC AGC 722
217 R N L G S L Q P L P P G F K L F S C P S 236
723 CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CCA GCT AAT TTT TTG TAT TTT TTA 782
237 L L S S W D Y R R P P R L A N F F V F L 256
783 GTA GAG ATG GGG TTT CAC CAT GTT GGC CAG GCT GGT CTC GAT CTC CTG ACC TCG TGA TCC 842
257 V E M G F T M F A R L I L I S G P C D L 276
843 CGT GCC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT 902
277 P A S A S Q S A G I T G V S H H A R L I 296
903 TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG 962
297 F N F C L F E M E S H S V T Q A G V Q W 316
963 CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022
317 P N L G S L Q P L P P G L K R F S C L S 336
1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082
337 L P S S W D Y G H L P P H P A N F C I F 356
1083 ATT AGA GGC GGG GTT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tgac 1143
357 I R G G V S P Y L S G W S Q T P D L R 375
1144 ccacctgcctcagccttccaaagtgctgggattacaggcgtgagccacctcacccagccggctaatttagataaaaaaat 1223
1224 atgtagcaatgggggtcttgctatgttgcccaggctggtctcaaacttctggcttcatgcaatccttccaaatgagcca 1303
1304 caacacccagccagtcacatttttaaacagttacatctttatttagtatactagaaagtaatacaataaacatgtcaa 1383
1384 acctgcaaattcagtagtaacagagttcttttataacttttaaacaaagctttagagca 1442

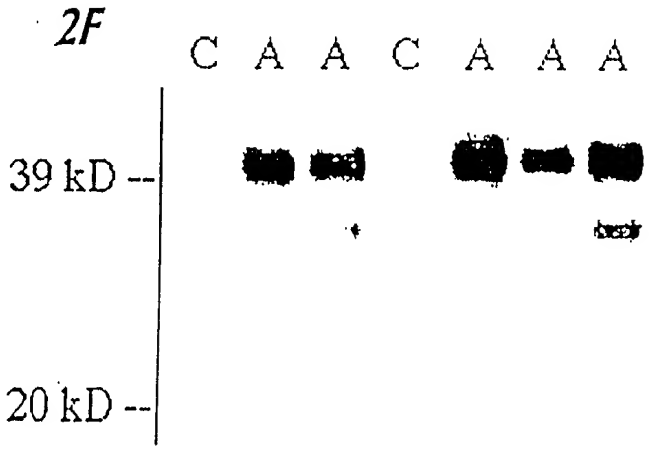
FIG. 1

FIGS. 2A-2F

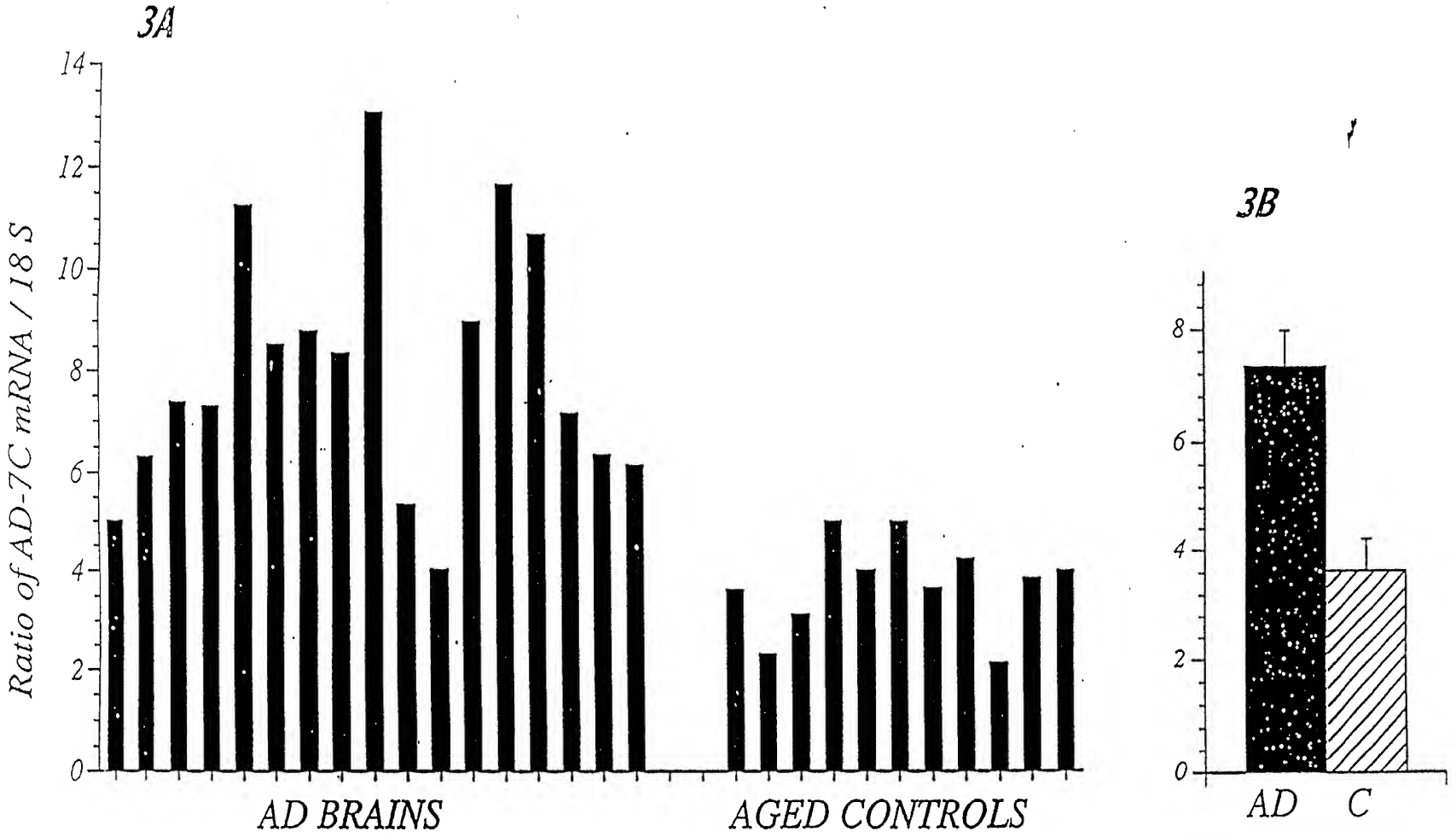

2A
sense
antisense
39 kD-
2B
Tag
7c
FB50
2C
pC3-7c
pC3

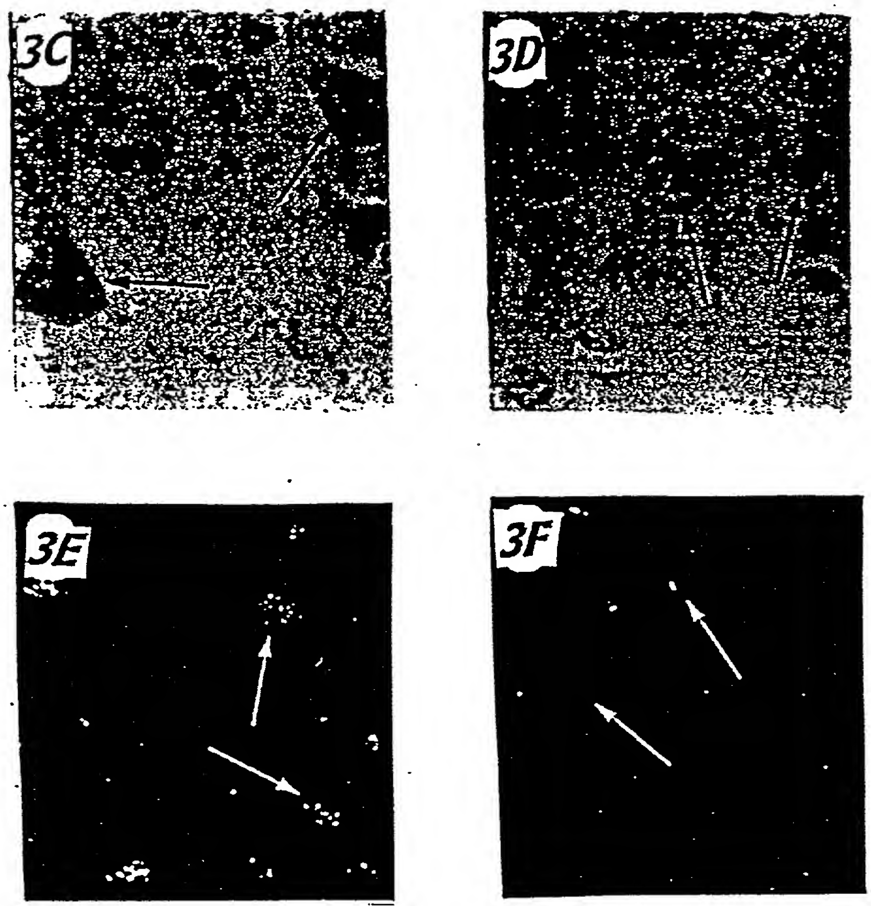

2D
AD
Control
0


2E
E L E L L L L L E E L
39 kD --
20 kD --


2F
C A A C A A A
39 kD --
20 kD --

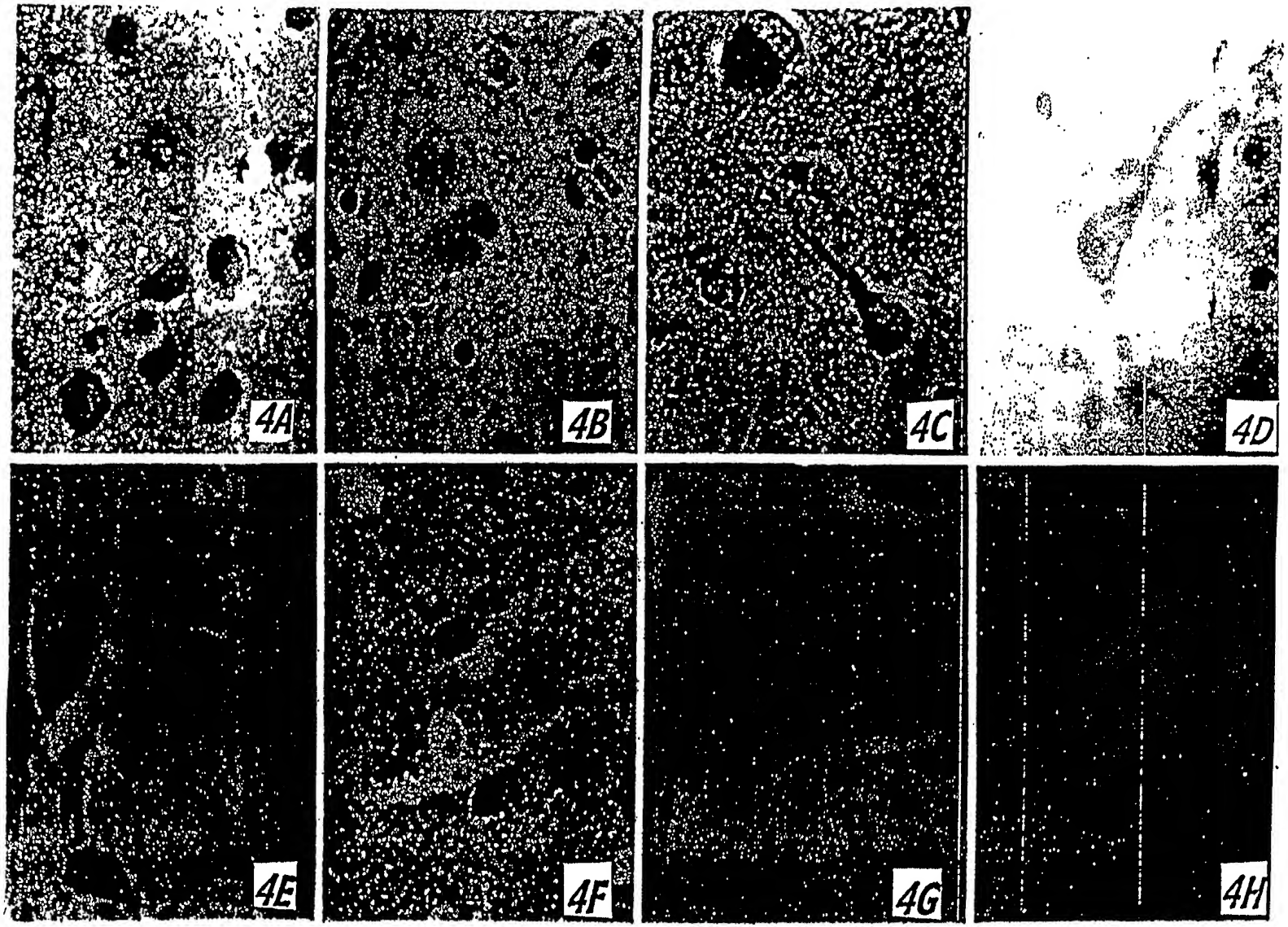
FIGS. 3A-3B

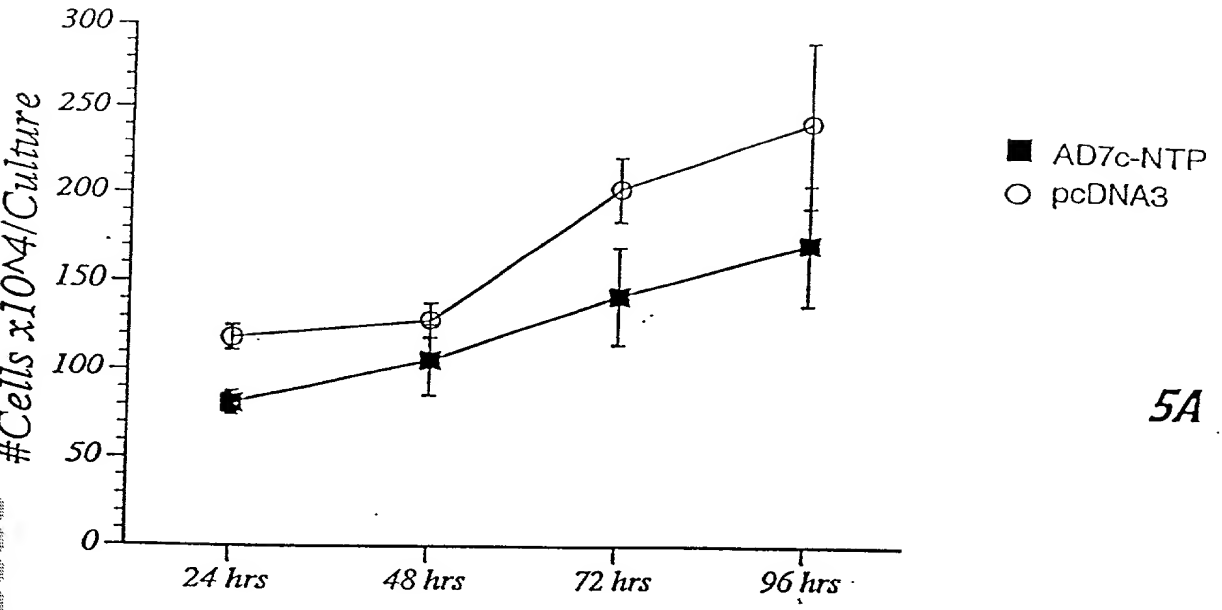




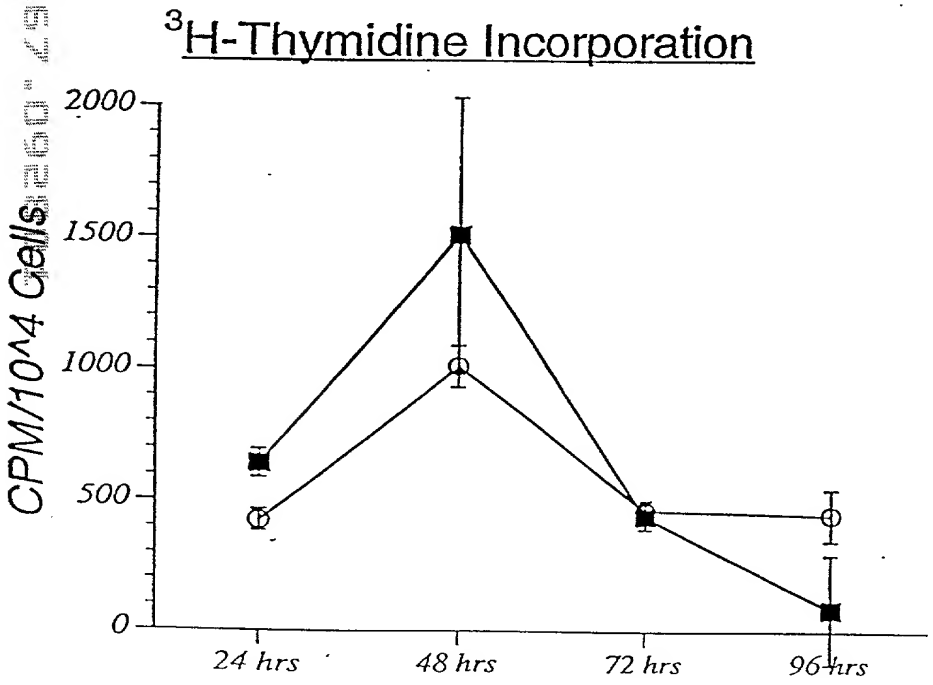
FIGS. 3C-3F

FIGS. 4A-4H





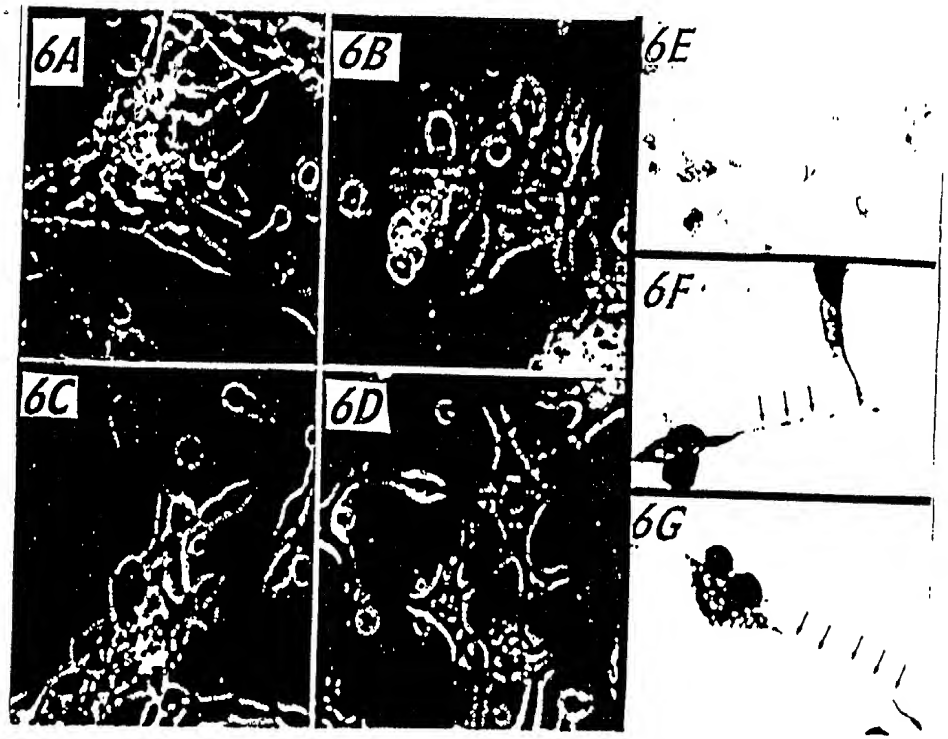
5A

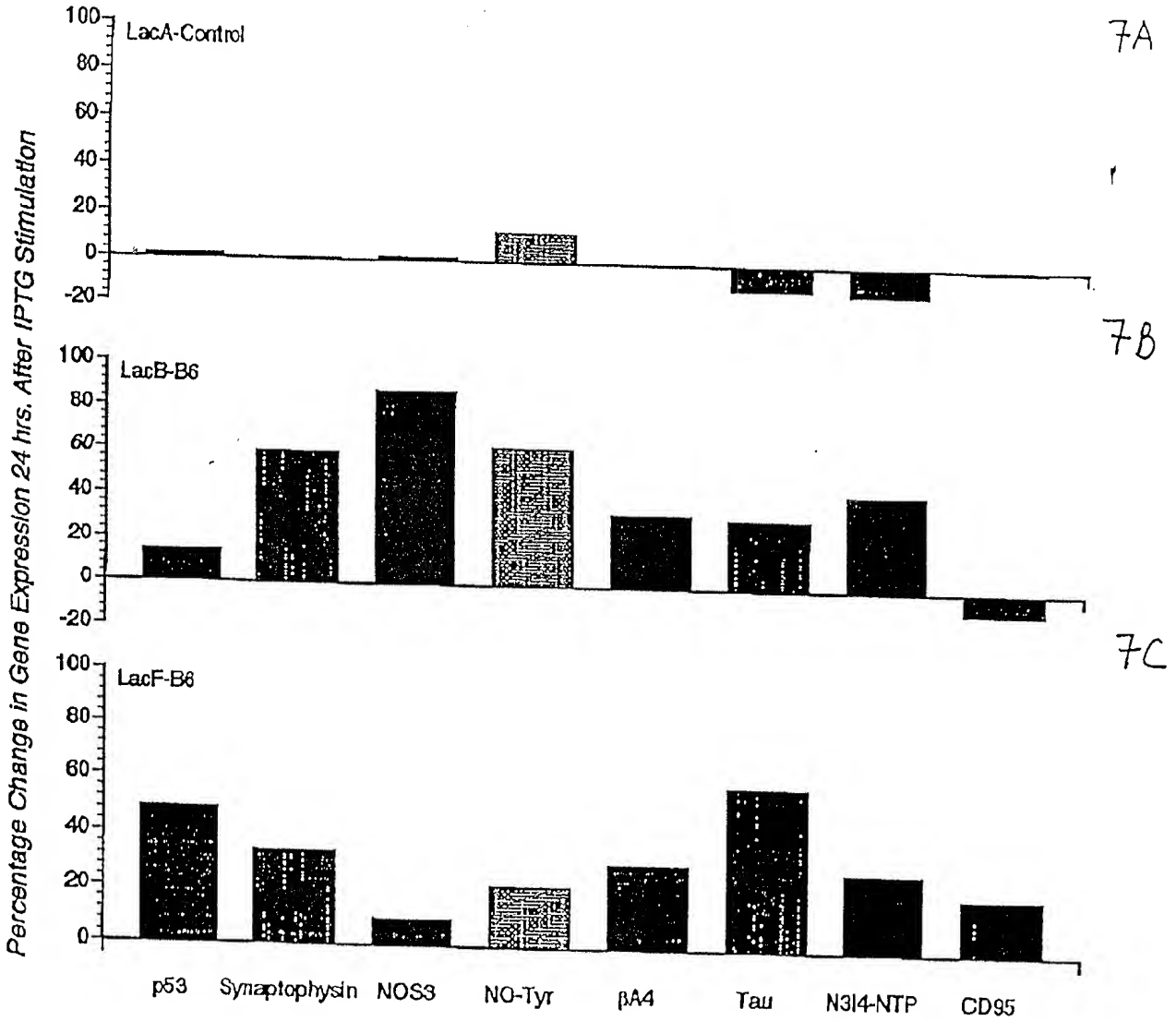


5B

FIGS. 5A-5B

FIGS. 6A-6G




LacA-Control
LacB-B6
LacF-B6
Percentage Change in Gene Expression 24 hrs. After IPTG Stimulation
100
80
60
40
20
0
-20
p53
Synaptophysin
NOS3
NO-Tyr
βA4
Tau
N3I4-NTP
CD95

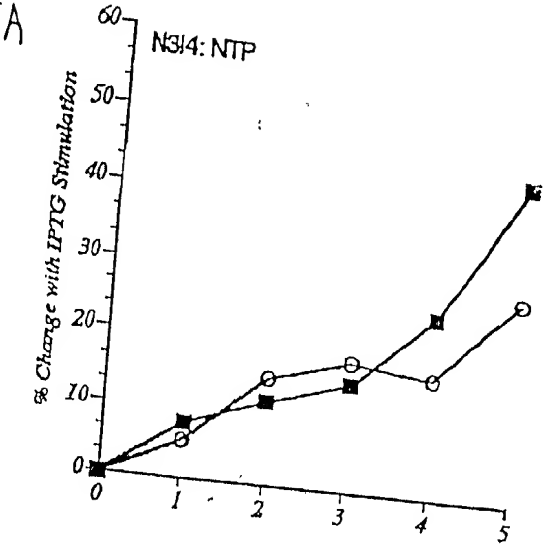
7A

7B

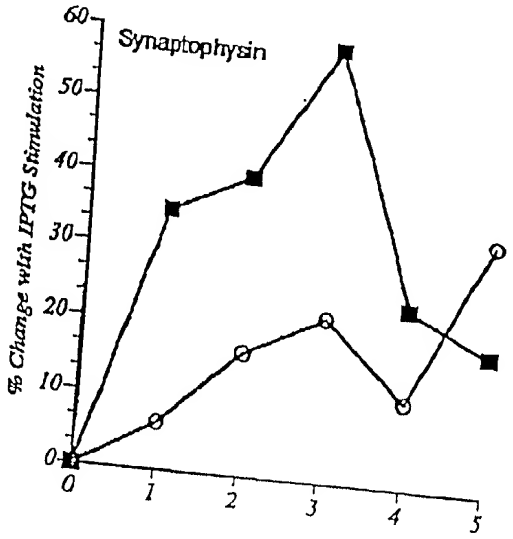
7C

FIGS. 8A-8D

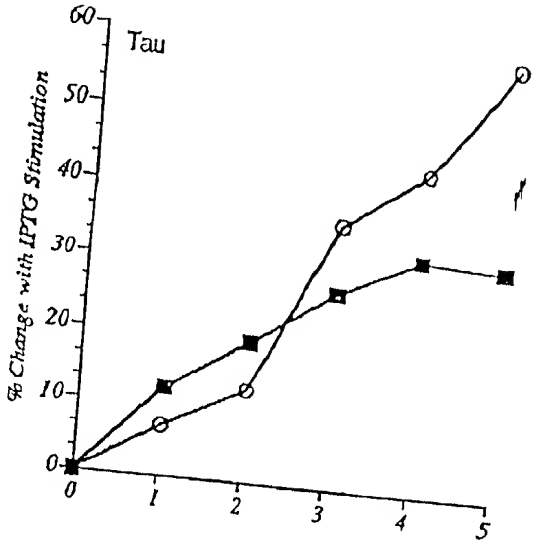
8A



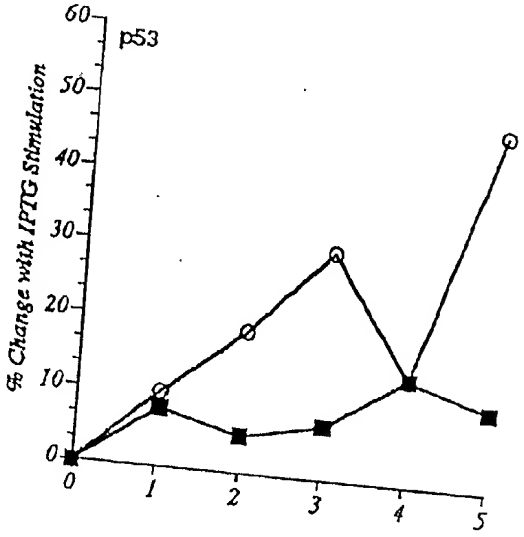
8B

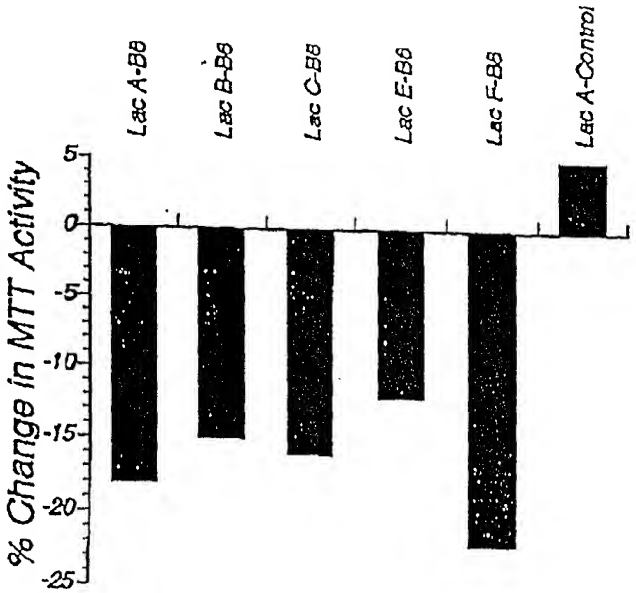


8C

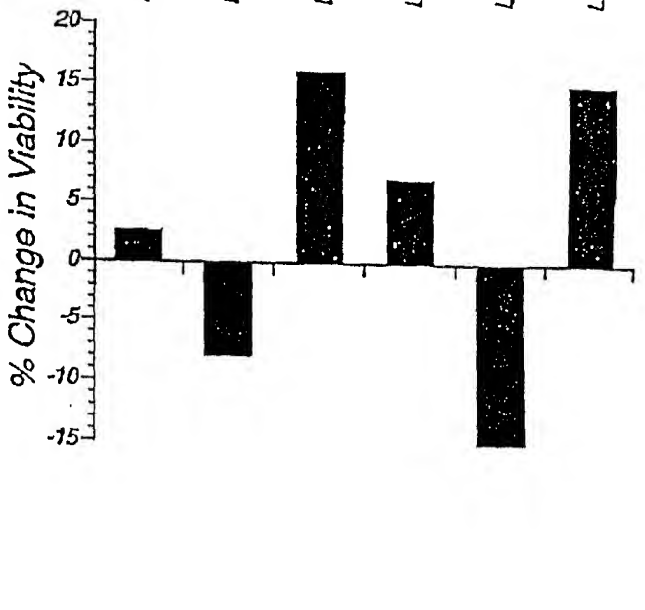


8D



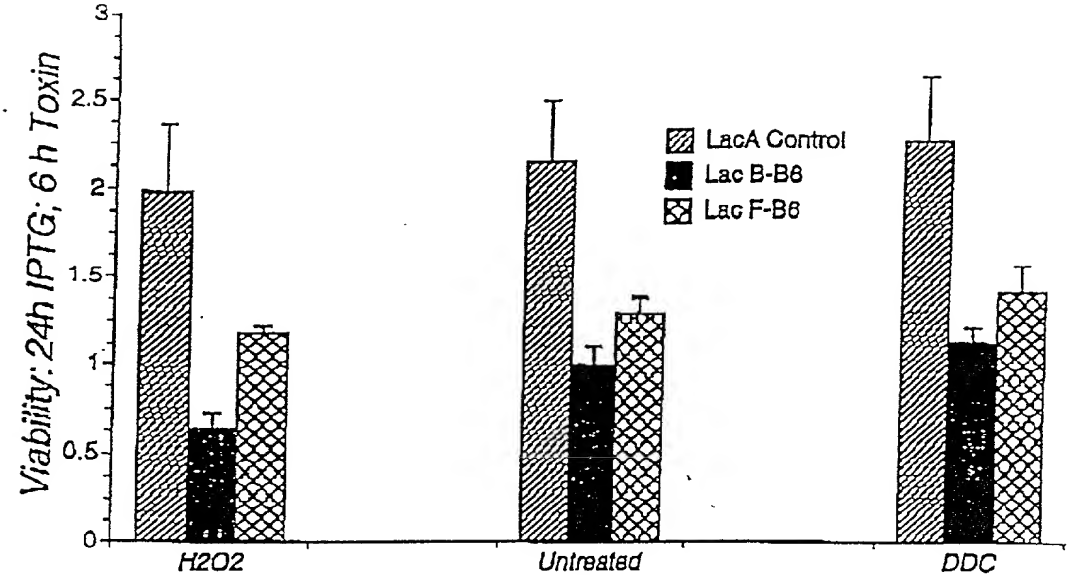

% Change in MTT Activity
5
0
-5
-10
-15
-20
-25
Lac A-B6
Lac B-B6
Lac C-B6
Lac E-B6
Lac F-B6
Lac A-Control

9A

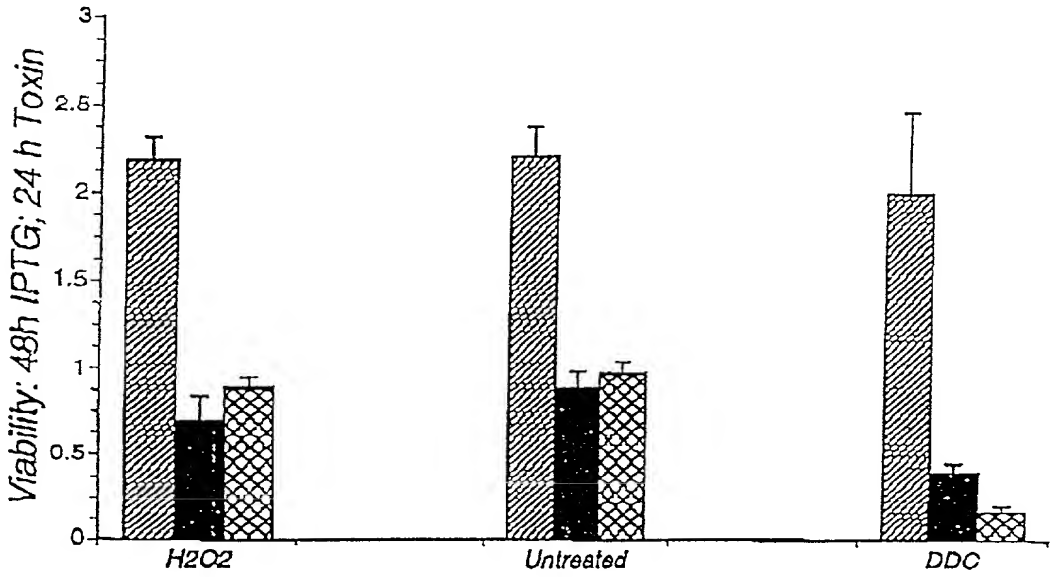

% Change in Viability
20
15
10
5
0
-5
-10
-15
Lac A-B6
Lac B-B6
Lac C-B6
Lac E-B6
Lac F-B6
Lac A-Control

9B

10A



10B



FIGS. 10A-10B

FIG. 11

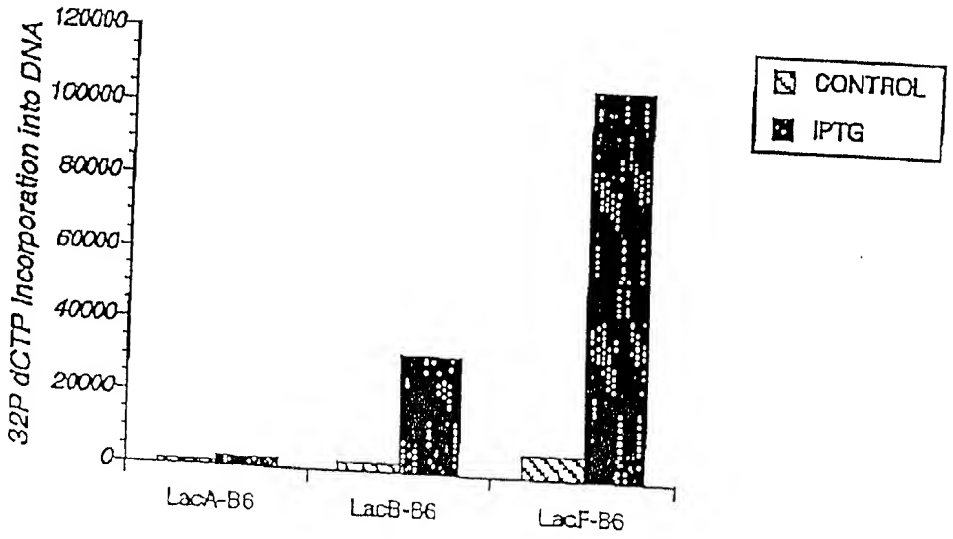


FIG. 12